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IBM CORPORATION  
LYNN L. AUGSPURGER  
INTELLECTUAL PROPERTY LAW  
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POUGHKEEPSIE, NY 12601-5400



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BEAUSOLEIL, WILLIAM F.

DOC DATE: 08/12/1999

ASSIGNOR:

NG, TAK-KWONG

DOC DATE: 08/12/1999

ASSIGNOR:

ROTH, HELMUT

DOC DATE: 08/12/1999

ASSIGNOR:

TANNENBAUM, PETER

DOC DATE: 08/12/1999

ASSIGNOR:

TOMASSETTI, N. JAMES

DOC DATE: 08/12/1999

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES  
CORPORATION  
NEW ORCHARD ROAD  
ARMONK, NEW YORK 10504

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SERIAL NUMBER: 09373125  
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MAYA BENNETT, EXAMINER  
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## 1. Name of conveying party(ies):

a) William F. Beausoleil g)  
 b) Tak-kwong Ng h)  
 c) Helmut Roth i)  
 d) Peter Tannenbaum j)  
 e) N. James Tomassetti k)  
 f) l)

More names attached?  Y  N

## 2. Name and address of receiving party(ies):

Name: INTERNATIONAL BUSINESS  
MACHINES CORPORATION  
Address: New Orchard Road  
Armonk, NY 10504

More names attached?  Y  N3. Nature of Conveyance:  Assignment

09/15/99 08/12/99  
4. Application number: Filed:  
Filed with new application:  yes  no

## Execution date(s):

a) August 12, 1999 g)  
 b) August 12, 1999 h)  
 c) August 12, 1999 i)  
 d) August 12, 1999 j)  
 e) August 12, 1999 k)  
 f) l)

Additional numbers attached?  Y  N

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lynn L. Augspurger  
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6. Total # of applications and patents involved: 017. Total fee (37 CFR 3.41):  
\$ 40.008. Charge to Deposit Account  
09-0463

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01 FEB 4 1999 Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Susan L. Phelps

Signature

08/12/99

Date

Total number of pages including cover sheet, attachments, and document: 3Express Mail Label No. (if applicable): EJ686572534US

Docket No.: PO9-98-161

A S S I G N M E N T

Whereas, We

Inventor (1)	William F. Beausoleil County of Dutchess	of Hopewell Junction, and State of New York,
Inventor (2)	Tak-kwong Ng County of Dutchess	of Hyde Park, and State of New York,
Inventor (3)	Helmut Roth County of Dutchess	of Hopewell Junction, and State of New York,
Inventor (4)	Peter Tannenbaum County of Dutchess	of Red Hook, and State of New York,
and		
Inventor (5)	N. James Tomassetti County of Ulster	of Kingston, and State of New York.

have invented certain improvements in **CLUSTERED PROCESSORS IN AN EMULATION ENGINE**,

and executed, respectively, a United States patent application therefor on

(1) August 12, 1999 , (2) August 12, 1999 ,  
(3) August 12, 1999 , (4) August 12, 1999 ,  
(5) August 12, 1999 .

Whereas, **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM,) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, and, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

(1) at Poughkeepsie, NY

on August 8, 1999  
12  
WFB

William F. Beausoleil  
WILLIAM F. BEAUSOLEIL

(2) at Poughkeepsie, NY  
on Aug 12, 1999

Tak-kwong Ng  
TAK-KWONG NG

(3) at Poughkeepsie, NY  
on Aug 12, 1999

Helmut Roth  
HELMUT ROTH

(4) at Poughkeepsie, NY  
on AUGUST 12, 1999

Peter Tannenbaum  
PETER TANNENBAUM

(5) at Poughkeepsie, NY  
on August 12, 1999

J. James Tomasetti  
J. JAMES TOMASSETTI